

Moreen, Ed

From: Archer, Spencer <spencer.archer@woodplc.com>
Sent: Wednesday, June 13, 2018 5:24 PM
To: Zion, Rodney E CIV USARMY CENWS (US)
Cc: Reitter, Eric T; garyfulton@ferconinc.com; Projectmail - Bunker Hill CTP_USACE; Bevier, Marie L; Kunas, Karl J CIV USARMY CENWS (US); Hand, Charles; Moreen, Ed
Subject: Bunker Hill - Weekly O&M Update (11 June)
Attachments: BHCTP Data (6-5 to 6-11).xls

Follow Up Flag: Follow up
Flag Status: Completed

Rod,

The weekly Bunker Hill Central Treatment Plant (CTP) and Kellogg Tunnel (KT) data package is attached for your review.

CTP Operations:

- Reactor pH: The pH set point remained at 8.50 during this reporting period
- 006 Effluent Zinc (Average): 0.232 mg/L (n = 3, June. 1 - June. 6)
- 006 Effluent pH (Average): 6.90 s.u. (n = 3, June. 1 - June. 6)
- 006 Effluent Turbidity (Average): 0.87 NTU (n = 7, June. 5 – June 11)
- Average Monthly Lime Usage (June): 4.30 tons per day
- Flocculant Dose: Flocculant dose remained at 2.0 ppm during this reporting period

Kellogg Tunnel:

- KT Flow: Currently estimated at 1,000 gpm at this time
- KT Zinc: 246 mg/L (n = 2, May. 21, May. 24)
- KT pH: 2.75 s.u. (Lab - n = 2, May. 21, May. 24)
2.50 s.u. (Field - n = 2, June. 7, June. 11)
- The mine pool pump was placed into service June 8 at 14:30 and removed from service June 10 at 01:00

Lined Pond:

- Current Volume: 0.75 MG
- Lined Pond pumping was completed June 5

Additional Items:

- June 5, Operators rebuilt lime slurry injection pump #2 and dismantled the lime slurry loop #2 to remove grit/sand blockage
 - June 8, Lime slurry loop was snaked and reassembled and placed back into service
- Monday June 11 - H2E is scheduled to get Work Station B running

Thanks,

Spencer Thomas Archer, P.E., BCEE

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